

## SPECIAL PAPERS ON GENERAL METEOROLOGY.

## RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Junior Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

## Alaska. Agricultural experiment stations.

Annual report for 1912. Washington. 1913. 96 p. illus. 8°. (U. S. Office of experiment stations. [Publication]) [Climatological returns from Alaskan stations at the end.]

## Baden. Zentralbureau für Meteorologie und Hydrographie.

Jahresbericht mit den Ergebnissen der meteorologischen Beobachtungen für das Jahr 1912. Karlsruhe. 1913. [iv], 132 p. f°. Niederschlagsbeobachtungen der meteorologischen Stationen, Jahrgang 1913. I. Halbjahr. Karlsruhe. 1913. 25 p. f°.

## Batavia. K. Magnetisch en meteorologisch Observatorium.

Regenwaarnemingen in Nederlandsch-Indië, 33ste Jaargang, 1911. Batavia. 1913. 2 pts. 4°.

## Bates, D. C.

Meteorology of New Zealand. Wellington. 1913. 20 p. 8°. (Extract from "The New Zealand Yearbook".) [Includes observations in New Zealand during 1912.]

## Bjerknes, Vilhelm, &amp; others.

Dynamische Meteorologie und Hydrographie. Zweiter Teil: Kinetik der Atmosphäre und der Hydrosphäre. Uebersetzt von F. Kirchner. Braunschweig. 1913. vii, 172 p. f°. [Authorized German edition of Carnegie Institution of Washington, Publication no. 88.]

## Börnstein, Richard.

Wandkarten zur Wetterkunde. Hochdruckwetter—Tiefdruckwetter. Berlin. [1913.] Double-faced map, 121 x 96½ cm.

## Bremen. Meteorologisches Observatorium.

Deutsches meteorologisches Jahrbuch, 1912, Bremen. Jahrgang 23. Bremen. 1913. iv, 87 p. f°.

## Canada. Meteorological service.

Report for the year ended December 31st, 1909. Ottawa. 1913. xxi, 567 p. 4°.

## Cardiff naturalists' Society.

Meteorological observations in the society's district during 1912, by E. Walford. Cardiff. 1913. [18] p. illus. 8°. (Reprinted from the Transactions of the Society, v. 45, 1912.)

## Costi, Ermeneigildo.

Il clima della Libia. Roma. n. d. 35 p. 12°.

## Cracow. Obserwatory astronomicz.

Wyniki spostrzeżeń meteorologicznych w Galicyi w roku 1912, zestawione w c. k. Obserwatorium astronomicznem w Krakowie. [Kraków. 1913.] 63 p. 8°.

## Crose, W. M.

American Samoa. A general report by the Governor. Washington. 1913. 40 p. 8°. [Climate is described on p. 12.]

## Great Britain. Meteorological office.

Calendar with notes and diary of operations for the use of observers. 1913 edition. London. 1913. 108 p. 8°. (M. O. 213.)

Codes of signals adopted and recommended by the International meteorological committee, 1910-1913, for storm warnings, together with a list of the maritime weather signals at present in use in the various countries of the globe. (4th ed. 1912.) London. 1913. 30 p. illus. 8°. (M. O. 206.)

## Horton, A. H., &amp; Jackson, H. J.

The Ohio valley flood of March-April, 1913 (including comparisons with some earlier floods). Washington. 1913. 96 p. illus. 8°. (U. S. Geological survey. Water-supply paper 334.)

## Knight, Henry G., &amp; Fitterer, J. C.

Meteorology for twenty years [at Laramie and elsewhere in Wyoming]. [Laramie, Wyo. 1913.] 27-88 p. 8°. (Wyoming Agric. exper. sta. Bulletin 100.)

## Leipzig. Universität. Geophysikalisches Institut.

Synoptische Darstellungen atmosphärischer Zustände, Heft 2. Zustand der Atmosphäre über Europa am 2., 3., 4., Februar 1910. Leipzig. 1913. 3 p. 44 charts. 54 x 39½ cm. (Veröffentlichungen, herausg. von V. Bjerknes. 1. Serie.)

## Lindenberg, K. Preussisches aeronautisches Observatorium.

Arbeiten, 1912. 8. Band. Braunschweig. 1913. xxxiv, 273 p. f°.

## Linke, Franz.

Die meteorologische Ausbildung des Fliegens. München, etc. 1913. [iv], 70 p. 8°.

## Liverpool observatory, Bidston.

Report of the Director . . . and meteorological results deduced from the observations taken, 1912. Liverpool. 1913. 47 p. 8°.

## Marini, L.

Il servizio meteorologico sulle navi mercantili. Relazione intorno alla sua constituzione ed al suo funzionamento nel semestre luglio-dicembre 1912. Genova. 1913. 10 p. f°. (Estratto dagli Annali idrografici, vol. 9, anno 1913-1914.)

## Maurice, H.

L'expédition franco-suédoise de sondages aériens à Kiruna 1907, 1908 et 1909. Upsala. 1913. [ii], 77 p. 4°. (Nova acta Regiae societatis scientiarum Upsaliensis, ser. 4, vol. 3, no. 7.)

## Merz, Alfred.

Land- und Seeklima. Berlin. 1913. 42 p. 8°. ("Meereskunde", Heft 77. 7. Jahrg., 5. Heft.) Odessa. Université impériale. Observatoire météorologique et magnétique.

Annuaire, 1912. [Russian text.] Odessa. 1913. [iv], 120 p. 4°.

## Prussia. K. Meteorologisches Institut.

Anleitung zur Anstellung und Berechnung meteorologischer Beobachtungen. Zweiter Teil: Besondere Beobachtungen und Instrumente. 3. Auflage. Berlin. 1913. iv, 64 p. 3 plates. 4°. (Veröffentlichung Nr. 268.)

Ergebnisse der Gewitter-Beobachtungen im Jahre 1910. Berlin. 1913. xxxv, 68 p. f°. (Veröffentlichung Nr. 266.) Ergebnisse der magnetischen Beobachtungen in Potsdam und Seddin im Jahre 1912. Berlin. 1913. 32, (28) p. f°. (Veröffentlichung Nr. 264.)

Ergebnisse der meteorologischen Beobachtungen in Potsdam, 1912. Berlin. 1913. lxxi, 94 p. f°. (Veröffentlichung Nr. 267.)

## Puig y Soler, Dionisio.

Dinámica atmósferica y barografía de Europa. Barcelona. 1913. 463 p. 4°.

## Russia. Department of agriculture.

Trudi sovetskikh i mestnykh meteorologicheskikh stekhii, 28 Fevralia po 3 Marta 1912 goda. [Proceedings of the Conference of regional meteorological réseaux.] [Russian text.] S.-Peterburg. 1913. xiv, 97, 123 p. 4°.

## Shantz, H. L.

The effects of artificial shading on plant growth in Louisiana. Washington. 1913. 31 p. 8°. (U. S. Bureau of plant industry. Bulletin 279.)

## United States. Committee on aids and perils to navigation.

Report to the Secretary of commerce. Preliminary work for the International conference on safety at sea. [Washington. 1913.] 13 p. 8°. [The collection and dissemination of weather reports at sea discussed on pp. 4-6.]

## United States. Revenue-cutter service.

Reports of vessels on ice patrol in the North Atlantic ocean, April to June, 1913. Washington. 1913. 25 p. 8°. (Bulletin no. 1.)

## Walter, Gustav.

Die Wetterkunde. Eine Anleitung zum Erkennen der Wettervorgänge für den Freund der Natur. Stuttgart. 1913. 107 p. 12°. (Kleine Bibliothek, von J. H. W. Dietz Nachf., Nr. 28.)

## Wieleitner, H.

Schnee und Eis der Erde. Leipzig. [1913.] 198 p. 16 plates. 24°. (Bücher der Naturwissenschaft, herausg. von Siegmund Günther. 16. Bd.)

## RECENT PAPERS BEARING ON METEOROLOGY.

C. FITZHUGH TALMAN, Junior Professor in Charge of Library.

The subjoined titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

*American journal of science. New Haven. v. 36. December, 1913.*  
Very, Frank W. Solar radiation. p. 607-635.